

**TECHNICAL REVIEW DOCUMENT**  
**for**  
**MODIFICATION TO OPERATING PERMIT 96OPAD130**

Public Service Co – Cherokee Station  
Adams County  
Source ID 0010001

Prepared by Jacqueline Joyce  
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Revised August 5, 2003

**I. Purpose:**

This document establishes the decisions made regarding the requested modification to the Operating Permit for Public Service Company's Cherokee Station. This document provides information describing the type of modification and the changes made to the permit as requested by the source and the changes made due to the Division's analysis. This document is designed for reference during review of the proposed permit by EPA and for future reference by the Division to aid in any additional permit modifications at this facility. The conclusions made in this report are based on the information provided in the request for modification submitted to the Division on June 27, 2003, e-mail correspondence and telephone conversations with the source. This narrative is intended only as an adjunct for the reviewer and has no legal standing.

Any revisions made to the underlying construction permits associated with this facility made in conjunction with the processing of this operating permit application have been reviewed in accordance with the requirements of Regulation No. 3, Part B, Construction Permits, and have been found to meet all applicable substantive and procedural requirements. This operating permit incorporates and shall be considered to be a combined construction/operating permit for any such revision, and the permittee shall be allowed to operate under the revised conditions upon issuance of this operating permit without applying for a revision to this permit or for an additional or revised construction permit.

**II. Description of Permit Modification Request/Modification Type**

The Operating Permit for the Cherokee Station was issued on February 1, 2002. Public Service Company (PSCo) entered into a Voluntary Emissions Reduction Agreement with the Colorado Air Pollution Control Division that applies to the Denver metro area plants. The agreement took effect on January 1, 2003 and in order to prepare for the agreement PSCo installed a lime spray dryer on Unit 3, replaced the dry sodium injection system on Unit 4 with a lime spray dryer system, and added a dry sodium injection system on Unit 2. In order to accommodate the new control devices, PSC added additional equipment for

operation of the lime spray dryers and dry sodium injection systems. The purpose of this modification is to include the appropriate provisions of the Voluntary Emissions Reduction Agreement and to add the additional emissions units to the Title V operating permit.

Colorado Regulation No. 3, Part C, Section X.A identifies those modifications that can be processed under the minor permit modification procedures. Specifically, minor permit modifications “are not otherwise required by the Division to be processed as a significant modification” (Colorado Regulation No. 3, Part C, Section X.A.6). The Division requires that “any change that causes a significant increase in emissions” be processed as a significant modification (Colorado Regulation No. 3, Part C, Section I.B.36.h.(i)). According to Appendix D of Regulation No. 3 (Section I.F, revisions adopted July 15, 1993, Subsection I.G for modifications) the Division considers that a significant increase in emissions is the potential to emit above the PSD significance levels (15 tons/yr of PM<sub>10</sub> and 25 tons/yr of PM). Construction permits were issued for all the additional equipment to be added to the facility and the construction permits went through public comment. Permitted emissions for these units are well below the PSD significance levels.

Since the provisions in the Voluntary Emissions Reduction Agreement are State-only requirements and since the agreement has gone through public comment and been approved by the Colorado Air Quality Control Commission (AQCC), the Division considers that adding the provisions of the Voluntary Emissions Reduction Agreement qualifies as a minor modification.

### **III. Modeling**

The Voluntary Emissions Reduction Agreement results in a decrease in SO<sub>2</sub> emissions, therefore, no modeling is required for such a modification. The additional emission units (recycle ash mixers, lime silos and ball mill slakers) were issued construction permits and the total permitted emissions for these units are well below 1 ton/yr of PM and PM<sub>10</sub>, therefore, no modeling was required for issuance of the construction permits.

### **IV. Discussion of Modifications Made**

#### **Source Requested Modifications**

The Division addressed the source-s requested modifications as follows:

#### **Voluntary Emissions Reduction Agreement**

The Voluntary Emissions Reduction Agreement specifies (in paragraph 11.(a)) that within one (1) year of the compliance date (January 1, 2003), PSCo shall apply for modifications of the Title V permits issued to the Denver Metro Area Facilities and that the applications shall include only the appropriate provisions contained in the agreement concerning emission limitations, recordkeeping,

reporting and regulatory assurance, all as State-Only conditions. Therefore, the Division has included the following sections of the Voluntary Emissions Reduction Agreement in the operating permit as State-Only conditions: paragraphs 2, 5 and 7. Note that the procedure for determining the percent reduction (exhibit A of the agreement) will be included in Appendix G of the permit.

Although the Voluntary Emissions Reduction Agreement does not specify that any definitions be included in the operating permit, the Division considers that the definitions used in paragraphs 2, 5 and 7 should be included in the operating permit so that the conditions may be more clearly understood.

It is not clear whether the agreement intended that the Nitrogen Oxides requirements (paragraph 3, retire Arapahoe Units 1 and 2) be included in the operating permit. However, the Division considers that since the provision in this paragraph are already included in Colorado Regulation No. 1 and in the Arapahoe Title V operating permit, it is not necessary to include them in this permit.

#### Additional Emission Units

#### **Unit P011: Two (2) Recycle Mixers Each Equipped with a Chemco/Quickdraft Scrubber**

**Applicable Requirements** - The recycle ash mixers are part of the lime spray dryer systems that were installed on Units 3 and 4 in order to meet the requirements in the Voluntary Emissions Reduction Agreement. The ash recycle concept allows the recycle product consisting of a combination of fly ash, calcium sulfates and sulfites, and unreacted lime to absorb additional SO<sub>2</sub>, thus increasing the overall efficiency of the removal process. A portion of the ash from the fabric filter dust collector hoppers is conveyed to a recycle storage silo. Water and solids from the recycle ash silo are introduced into the recycle ash slurry mix tanks. The recycle ash slurry is then pumped from the slurry mix tank to the head tank above the dry scrubber reactor.

Each recycle mixer is equipped with a Chemco/Quickdraft scrubber. The scrubber consists of a baffle box with a water spray and vent fan that knocks particulate matter out of the air stream before it is exhausted to the atmosphere. The scrubber efficiency is 95% for particulate matter removal.

An existing grandfathered ash storage silo (formerly the waste ash storage silo for Units 2 and 3) will be used to store recycle ash. A construction permit was issued for the recycle mixers (00AD0812, initial approval, dated March 27, 2001).

The due date of the first semi-annual monitoring and deviation report required by this operating permit will be more than 180 days after the initial approval construction permit 00AD0812 was issued and/or commenced operation. Therefore, under the provisions of Regulation No. 3, Part C, Section V.A.2, the Division is allowing the initial approval construction permit to continue in full force

and effect and will consider the Responsible Official certification submitted with that report to serve as the demonstration required pursuant to Regulation No. 3, Part B, Section IV.H and no final approval construction permit will be issued. The appropriate provisions of the initial approval construction permit has been directly incorporated into this operating permit.

The applicable requirements for the recycle ash mixers from the construction permit are as follows:

- Visible emissions shall not exceed 20% opacity during normal operation. During periods of startup, process modification or adjustment or occasional cleaning of control equipment, visible emissions shall not exceed 30% opacity for more than six minutes in any sixty consecutive minutes (00AD0812, condition 1).

Based on engineering judgment, the Division has not included the opacity requirement for startup, process modification and adjustment of control equipment for the following reasons: 1) startup is instantaneous (begin mixing); 2) process modifications are unlikely since the process of mixing is straightforward and if modifications were to occur, they could not occur while the unit is in operation (i.e mixing) and 3) the control equipment cannot be adjusted while mixing is occurring.

- Construction of this source must commence within 18 months of initial permit issuance date or within 18 months of date on which such construction or activity was scheduled to commence as stated in the application. If commencement does not occur within the stated time the permit will expire on September 27, 2002 (00AD0812, condition 4).

This requirement will not be included since the recycle mixers have commenced operation.

- Emissions of air pollutants shall not exceed the following limitations (00AD0812, condition 5):

Mixers:

PM	43 lbs/mo	and	0.25 tons/yr
PM <sub>10</sub>	43 lbs/mo	and	0.25 tons/yr

- Raw material processing shall not exceed the following limitations (00AD0812, condition 6):

Mixers:

Not to exceed	48,334 tons/mo	and	580,000 tons/yr
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Note that for the above two conditions, the monthly limits apply during the first twelve months of operation. By the time this modified permit is issued, these mixers will have been in operation for more than twelve

months, therefore, the monthly limits will not be included in the operating permit.

In addition, the source requested that since the emissions for the mixer are based on the manufacturer's guarantee for the scrubber and hours of operation, that the production limits for the mixers be removed. Since the emissions are not based on the material processed through the mixers the Division will remove the processing limits on the recycle mixers.

- APEN reporting requirements (00AD0812, condition 7)

The APEN reporting requirements will not be identified in the permit as a specific condition but are included in Section V (General Conditions) of the permit, condition 22.e.

- The permittee shall notify the Division 30 days prior to startup (00AD0812, condition 8).

These units have commenced operation and startup notices were submitted for these units, therefore, this requirement will not be included in the operating permit.

- Within one hundred and eighty days (180) after commencement of operation, compliance with the conditions contained on this permit shall be demonstrated to the Division. It is the permittee's responsibility to self certify compliance with the conditions. Failure to demonstrate compliance within 180 days may result in revocation of the permit (00AD0812, condition 9).

As discussed previously, the Division will consider that the first semi-annual monitoring report submitted after issuance of this modification will serve as the self-certification that these units can comply with the applicable requirements and this requirement will not be included in the permit.

- Prior to final approval being issued, the applicant shall submit to the Division for approval an operating and maintenance plan for all control equipment and control practices and a proposed recordkeeping format that will outline how the applicant will maintain compliance on an ongoing basis with the requirement of condition No. 5 and 9 listed above (00AD0812, condition 10).

This permit condition contains an error, in that the reference to condition 9 above should have been to condition 6. With that said, the operating permit operating permit defines the periodic monitoring required to monitor compliance with the permit conditions. Therefore, this requirement will not be included in the permit.

The Division determined that neither the Regulation No. 1 (Section III.C.1) or Regulation No. 6 (Part B, Section III.C, including opacity) particulate matter standards were applicable to the recycle mixers. The Division does not consider these to be manufacturing processes since the ash is a by-product of operating the boilers and the ash is recycled in the scrubber to control SO<sub>2</sub> emissions from the boilers.

**Emission Factors** - The emission limits in the construction permit for the recycle mixers is based on the manufacturer's guarantee of 0.015 gr/acf for the scrubber exhaust and the blower design rate of 450 acfm. The Division will include the following emission factors in the operating permit for the recycle mixers:

$$EF \text{ (PM and PM}_{10}\text{)} = \frac{0.015 \text{ gr/acf} \times 450 \text{ acfm} \times 60 \text{ min/hr}}{7,000 \text{ gr/lb}} = 0.058 \text{ lbs/hr}$$

Note that although the Division does not typically allow the use of an emission factor in lbs/hr, since permitted emissions from these units are so low, the Division considers that it is acceptable in this particular case.

**Monitoring Plan** - In order to monitor compliance with the applicable requirements, the source will be required to monitor and record the number of hours the mixers are operated and calculate emissions monthly. Compliance with the opacity limitation will be presumed, in the absence of credible evidence to the contrary, provided the baghouses on the silos and the scrubbers on the mixers are operated and maintained in accordance with the manufacturers' recommendations and good engineering practices.

**Compliance Status** – The source has indicated that these emission units are in compliance with all applicable requirements.

#### **Units P009 and P010: Two (2) Lime Silos and Two (2) Ball Mill Slakers**

**Applicable Requirements** - The lime storage silos and lime slakers are part of the SO<sub>2</sub> scrubber systems that were installed on Units 3 and 4 in order to meet the requirements in the Voluntary Emissions Reduction Agreement. Pebble size lime is delivered to the plant via self-contained pneumatic truck trailers. The lime is unloaded to the storage silos. The pebble lime flows by gravity through rotary feeders to a ball mill slaker, where it is slaked to a slurry of hydrated lime and water. The lime slurry is then pumped to a head tank above the dry scrubber reactor.

The lime storage silos are each equipped with a Flex-Kleen, Model No. 30-PVB1-9-PRRIIG baghouse. Each baghouse has a 99.9% efficiency for particulate matter removal. Each ball mill slaker is equipped with a Chemco/Quickdraft, Custom Model No. Q5CA-1½ scrubber. The scrubber consists of a baffle box with a water spray and vent fan that act to force the moisture-entrained lime particles to drop out before the air stream is exhausted to the atmosphere. The scrubber efficiency is 95% for particulate matter

removal.

Construction permits were issued for the lime silos (00AD0810, initial approval, dated March 27, 2001) and the ball mill slakers (00AD0811, initial approval, dated March 27, 2001). The due date of the first semi-annual monitoring and deviation report required by this operating permit will be more than 180 days after the initial approval construction permits 00AD0810 and 00AD0811 were issued and/or commenced operation. Therefore, under the provisions of Regulation No. 3, Part C, Section V.A.2, the Division is allowing the initial approval construction permits to continue in full force and effect and will consider the Responsible Official certification submitted with that report to serve as the demonstration required pursuant to Regulation No. 3, Part B, Section IV.H and no final approval construction permits will be issued. The appropriate provisions of the initial approval construction permits have been directly incorporated into this operating permit.

The applicable requirements for these units from the construction permits are as follows:

- Visible emissions shall not exceed 20% opacity during normal operation. During periods of startup, process modification or adjustment or occasional cleaning of control equipment, visible emissions shall not exceed 30% opacity for more than six minutes in any sixty consecutive minutes (00AD0810, condition 1 and 00AD0811, condition 1).

Based on engineering judgment, the Division has not included the opacity requirement for startup, process modification and adjustment of control equipment for the following reasons: 1) startup is instantaneous (begin loading or slaking); 2) process modifications are unlikely since the process of loading and mixing is straightforward and if modifications were to occur, they could not occur while the unit is in operation (i.e. loading or mixing) and 3) the control equipment cannot be adjusted while loading or unloading is occurring.

- Construction of this source must commence within 18 months of initial permit issuance date or within 18 months of date on which such construction or activity was scheduled to commence as stated in the application. If commencement does not occur within the stated time the permit will expire on September 27, 2002 (00AD0810, condition 4 and 00AD0811, condition 4).

This requirement will not be included since the lime storage silos and ball mill slakers have commenced operation.

- Emissions of air pollutants shall not exceed the following limitations (00AD0810, condition 5 and 00AD0811, condition 5):

Silos:

PM	0.92 lbs/mo	and	0.0055 tons/yr
PM <sub>10</sub>	0.92 lbs/mo	and	0.0055 tons/yr

Slakers:

PM	43 lbs/mo	and	0.25 tons/yr
PM <sub>10</sub>	43 lbs/mo	and	0.25 tons/yr

In their June 27, 2003 application, the source requested that the emission limits for the lime storage silo be increased to 0.0073 tons/yr. This change will be made in the modified operating permit.

- Raw material processing shall not exceed the following limitations (00AD0810, condition 6 and 00AD0811, condition 6):

Silos:

Not to exceed	1,500 tons/mo	and	18,000 ton/yr
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Slakers:

Not to exceed	1,500 tons/mo	and	18,000 tons/yr
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Note that for the above two conditions, the monthly limits apply during the first twelve months of operation. By the time this modified permit is issued, these silos and slakers will have been in operation for more than twelve months, therefore, the monthly limits will not be included in the operating permit.

In addition, in their June 27, 2003 modification application, the source requested that the processing rate for the lime storage silos be increased to 24,000 tons/yr. This change will be made in the modified operating permit.

In addition, the source requested that since the emissions for the ball mill slakers are based on the manufacturer's guarantee for the scrubber and hours of operation, that the production limits for the slakers be removed. Since the emissions are not based on the material processed through the slakers and since the material processed through the slakers is essentially limited by the processing limits on the lime storage silos, the Division will remove the processing limits on the ball mill slakers.

- APEN reporting requirements (00AD0810, condition 7 and 00AD0811 condition 7)

The APEN reporting requirements will not be identified in the permit as a specific condition but are included in Section V (General Conditions) of the permit, condition 22.e.



- The permittee shall notify the Division 30 days prior to startup (00AD0810, condition 8 and 00AD0811, condition 8).

These units have commenced operation and startup notices were submitted for these units, therefore, this requirement will not be included in the operating permit.

- Within one hundred and eighty days (180) after commencement of operation, compliance with the conditions contained on this permit shall be demonstrated to the Division. It is the permittee's responsibility to self certify compliance with the conditions. Failure to demonstrate compliance within 180 days may result in revocation of the permit (00AD0810, condition 9 and 00AD0811, condition 9).

As discussed previously, the Division will consider that the first semi-annual monitoring report submitted after issuance of this modification will serve as the self-certification that these units can comply with the applicable requirements and this requirement will not be included in the permit.

- Prior to final approval being issued, the applicant shall submit to the Division for approval an operating and maintenance plan for all control equipment and control practices and a proposed recordkeeping format that will outline how the applicant will maintain compliance on an ongoing basis with the requirements of condition No. 5 and 9 listed above (00AD0810, condition 10 and 00AD0811, condition 10).

This permit condition contains an error, in that the reference to condition 9 above should have been to condition 6. With that said, the operating permit operating permit defines the periodic monitoring required to monitor compliance with the permit conditions. Therefore, this requirement will not be included in the permit.

The Division determined that neither the Regulation No. 1 (Section III.C.1) or Regulation No. 6 (Part B, Section III.C, including opacity) particulate matter standards were applicable to either the lime silos or lime slakers. The Division does not consider these to be manufacturing processes since the lime is used in the scrubber to control SO<sub>2</sub> emissions from the boilers.

**Emission Factors** - For the lime storage silos, the source will use Emission Factors from EPA's Compilation of Emission Factors (AP-42), Section 11.17, Table 11.17-4, Product Unloading - Enclosed Truck, dated January 1995. The emission factors are 0.61 lbs/ton for PM and 0.61 lbs/ton for PM<sub>10</sub>. Provided the silo baghouses are maintained and operated in accordance with manufacturers' recommendations and good engineering practices, a control efficiency of 99.9% can be applied to the emission calculations.

The emission limits in the construction permit for the recycle mixers is based on the manufacturer's guarantee of 0.015 gr/acf for the scrubber exhaust and the

blower design rate of 450 cfm. The Division will include the following emission factors in the operating permit for the recycle mixers:

$$EF \text{ (PM and PM}_{10}\text{)} = \frac{0.015 \text{ gr/acf} \times 450 \text{ acfm} \times 60 \text{ min/hr}}{7,000 \text{ gr/lb}} = 0.058 \text{ lbs/hr}$$

Note that although the Division does not typically allow the use of an emission factor in lbs/hr, since permitted emissions from these units are so low, the Division considers that it is acceptable in this particular case.

**Monitoring Plan** - In order to monitor compliance with the applicable requirements, the source will be required to monitor and record the quantity of lime processed and hours the ball mill slakers are operated and calculate emissions monthly. Compliance with the opacity limitation will be presumed, in the absence of credible evidence to the contrary, provided the baghouses on the silos and the scrubbers on the slakers are operated and maintained in accordance with the manufacturers' recommendations and the permittee's operating experience.

**Compliance Status** – The source indicated in their June 27, 2003 modification application that the monthly lime processing limit had been exceeded once in the last 10 months. As part of the modification request, the source requested an increase in the lime processing rate for the silos. Therefore, upon approval of this draft permit, the source will be in compliance with the lime processing limit on the silos. Note that since emissions from the ball mill slakers are not based on the quantity of material processed, as discussed above, the lime processing limit for the ball mill slakers will be removed in the modified operating permit.

### **Other Modifications**

In addition to the requested modifications made by the source, the Division used this opportunity to include changes to make the permit more consistent with recently issued permits, include comments made by EPA on other Operating Permits, as well as correct errors or omissions identified during inspections and/or discrepancies identified during review of this modification.

The Division has made the following revisions, based on recent internal permit processing decisions and EPA comments on other permits, to the Cherokee Station Operating Permit with the source's requested modifications. These changes are as follows:

#### **Page Following Cover Page**

Added language specifying that the semi-annual reports and compliance certifications are due in the Division's office and that postmarks cannot be used for purposes of determining the timely receipt of such reports/certifications.

Changed the Responsible Official.

## Section I – General Activities and Summary

Revised the language in Condition 1.1 regarding the attainment status of the Denver metro area.

Removed permit 01AD0239S from Condition 1.3 since the source requested that this construction permit be canceled (see discussion under Section II.8 of this document).

Conditions 13 and 17 in Condition 1.4 were renumbered to 14 and 18 and Condition 21 in Condition 1.6 was renumbered to 22. The renumbering changes were necessary due to the addition of the Common Provisions requirements in the General Conditions of the permit. In addition, removed reference to Section II, Condition 3.9 as a state-only condition. There is no Section II, Condition 3.9 in the permit.

Removed the language in Condition 1.5 addressing Non-Attainment Area major New Source Review (NSR). Since the Denver metro area is no longer a non-attainment area, these provisions do not apply. In addition, this condition was moved to the “new” section 3 for PSD (see below).

Added a “new” Section 3 for Prevention of Significant Deterioration and moved Condition 1.5 into this section as Condition 3.2.

Added a “new” Section 5 for Compliance Assurance Monitoring (CAM) Requirements. Note that although there are emission units that will be subject to CAM requirements, these requirements do not apply until the permit is renewed.

Added a “new” Section 6 for case-by-case MACT (112(j)) requirements.

## Section II – Specific Emission Units

### Section II.1 & 2 – Boilers 1 thru 4

Conditions 1.4 and 2.4 (Reg 1 SO<sub>2</sub> limit) states that this requirement applies upon EPA’s approval of the designation of the Denver metro area as attainment/maintenance for PM<sub>10</sub>. EPA has approved this designation in the volume 67, No. 179 of the Federal Register, dated September 16, 2002. The re-designation became effective on October 16, 2002. Therefore, the language regarding EPA’s approval will be removed from the permit.

In addition, the language in Conditions 1.4 and 2.4, states that the SO<sub>2</sub> limitations do not apply unless EPA repeals the incorporation of SO<sub>2</sub> permit limits (from construction permits 86AD352-1 and -2) into the SIP at 40 CFR 52.320(c)(82)(e)(E). In the federal register notice indicated above, EPA added language to 40 CFR 52.320(c)(95) indicating that the construction permits are removed from the SIP. Therefore, the language indicating that the SO<sub>2</sub> limits do

not apply has been removed.

Conditions 1.6.2 and 2.5.2 (Reg 1 NO<sub>x</sub> limit) states that this requirement applies upon EPA's approval of the designation of the Denver metro area as attainment/maintenance for PM<sub>10</sub>. As discussed above, the EPA has approved the re-designation of the Denver metro area, therefore the language regarding EPA's approval will be removed from the permit.

#### Section II.4 – Emergency Generators

Revised the equation in Condition 4.1.1 to calculate emissions in “tons/mo” rather than “lbs/mo”.

#### Section II.5 – Fugitive Particulate Matter Emissions

Changed the reference to “Condition 21” to “Condition 22” in Condition 5.1. The renumbering change is necessary due to the addition of the Common Provisions requirements in the General Conditions of the permit.

Removed the requirement to certify semi-annually that control measures are utilized to reduce fugitive particulate matter emissions from Condition 5.2. This language implies that a separate certification is required semi-annually. However, the Division had intended that the certification with the semi-annual monitoring reports be used to indicate whether adequate control measures are used to minimize fugitive particulate matter emissions.

#### Section II.6 – Particulate Matter Emissions – Point Sources

The current operating permit indicates that the Unit 4 ash silo (P006) started up in December 2001. The Division received a startup notice for the Unit 3 ash blower (P008), indicating that the unit would start up in April 2002. The source has indicated that the Unit 2 waste ash silo was placed in service in May 2002. Therefore, since the Units 2 and 4 waste ash silos and the unit 3 ash blower will have been in operation for a year by the time this revised permit is issued, the Division removed the monthly emission and processing limits, the start-up notification requirements (Condition 6.6) and the self-certification requirements (Condition 6.7).

In addition, the Division revised the emission factor for the Unit 3 ash blower. Since emissions are estimated based on the manufacturer's guarantee and the blower design rate, an emission factor in lbs/hr will be included in the permit. The emission factor was calculated as follows:

$$EF \text{ (PM and PM}_{10}\text{)} = \frac{0.01 \text{ gr/acf} \times 3,000 \text{ acfm} \times 60 \text{ min/hr}}{7,000 \text{ gr/lb}} = 0.26 \text{ lbs/hr}$$

Note that the table for the Unit 3 ash blower (Unit P008) incorrectly identified the emission factor in units of lbs/ton. This error was corrected.

In addition, the equation in Condition 6.2.2 to reflect the change in the emission factor for the Unit 3 ash blower (see above) and to calculate emissions in tons/mo rather than in lbs/mo.

Removed the notes under Conditions 6.3.1 and 6.4.2 about the control devices that will be added to Units 2 and 3 with the Voluntary Emissions Reduction Agreement. Since this modification adds the provisions of the agreement, this note is no longer necessary.

## Section II.7 – Cooling Water and Service Water Towers

Revised the equation in Condition 7.1 to calculate emissions in “tons/yr” rather than “lbs/yr”.

## Section II.8 – Gasoline Storage Tank

Colorado Construction Permit 01AD0239S was issued on March 27, 2001 for this tank. The permitted VOC emissions from this tank are well below APEN de minimis levels. However, a construction permit was issued because under the “catch-all” provisions in Regulation No. 3, at the time the construction permit was issued, the tank could not take the APEN, construction permit or insignificant activity exemptions because it was subject to specific requirements in Regulation No. 7. Revisions were made to Regulation No. 3, which took effect on September 30, 2003. Under these revisions the APEN exemption for fuel storage and dispensing equipment for company owned vehicles (Reg 3, Part A, Section II.D.1.ccc) was revised to allow sources in the Denver metro area to take the APEN exemption, provided the unit uses Stage 1 vapor recovery. In addition, revisions were made to the “catch-all” provisions in Regulation No. 3 and those revisions became effective on December 30, 2002. With these revisions, an emission unit that is subject to specific Regulation No. 7 requirements can take the APEN and construction permit exemptions. However, an emission unit that is subject to specific Regulation No. 7 requirements cannot be considered an insignificant activity. Therefore, since no construction permit is required for this tank and the source has requested that the construction permit be canceled, the Division will remove the annual emission and throughput limits (Conditions 8.1 and 8.2).

Removed the incorrect construction permit number citation in Condition 8.5.3.

In addition, removed the phrases in Conditions 8.4, 8.5 and 8.6 that stated that the source “will certify annually” that certain requirements are met. This statement implies that a separate certification statement is required for these specific conditions and requiring a separate certification was not the Division’s intent. The annual certification (Appendix C) required by the operating permit will serve as the compliance indicator that this tank is only filled by a certified tanker truck and that the remaining Regulation No. 7 requirements are being met (i.e. VOC disposal, submerged pipe specifications, etc.).

## Section II.10 – Continuous Emission Monitoring and Continuous Opacity Monitoring Systems

Revised the language in Condition 10.3.2 to indicate that for purposes of monitoring compliance with the Reg 1 SO<sub>2</sub> limits, that hourly SO<sub>2</sub> data be converted to lbs/mmBtu based on Method 19, since Part 75 does not require that hourly SO<sub>2</sub> data be reported in units of lbs/mmBtu.

Added language to Condition 10.3.3.2 indicating that replaced data would be used to monitor compliance with the emission limitations associated with the Voluntary Emissions Reduction Agreement.

## Section II.11 – Opacity Requirements and Periodic Monitoring

Removed the “Note” included with the Reg 1, Section II.A.1 opacity limit (Condition 11.1), since the Division considers that this note is no longer necessary.

## Section III – Acid Rain Requirements

Revised the Designated Representative

## Section IV – Permit Shield

The citation for the permit shield is incorrect. The reference to Part A, Section I.B.43 should be Part A, Section I.B.44 and the reference to Part C, Section XIII should be Part C, Section XIII.B.

## Section V – General Conditions

Added language from the Common Provisions (new condition 3). With this change the reference to “21.d” in Condition 20 (prompt deviation reporting) will be changed to “22.d”, since the general conditions are renumbered with the addition of the Common Provisions.

Removed the upset and breakdown provisions from Condition 4 (emergency provisions) since they are included in the Common Provisions.

The citation in General Condition 16 (open burning) was revised. The open burning requirements are no longer in Reg 1 but are in new Reg 9. In addition, changed the reference in the text from “Reg 1” to “Reg 9”.

## Appendices

Revised the description of the insignificant activity category for stationary internal combustion engines (Reg 3, Part C, Section II.E.3.xxx).